

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	717/11?.ccls. and "tamper resistant"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 12:09
L2	5358	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 12:10
L3	807	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (module or component or portion or selected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:13
L4	5	"2004044906"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:11
L5	755	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:15
L6	707	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:19

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L7	707	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:19
L8	11	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed ) and 717/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:39
L9	44	(James and horning).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:39
L10	363	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed ) and 7??/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 12:40

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L11	101	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 or insert\$3 ) and tamper same encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed ) and 7??/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:04
L12	4	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 or insert\$3 ) and tamper same encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed ) and (communicat\$3 or report\$3 or transmit\$4 ) near3 (alert\$3 or alarm\$3 or unauthoriz\$5 or nonauthoriz\$5 or hacker or attack\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:08
L13	0	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 or insert\$3 ).and tamper same encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed ) and ginter.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:06

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L14	33	(convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 or insert\$3 ) and tamper same encrypt\$3 near3 (section or subsection or module or component or portion or selected) and (instrument\$3 or trigger\$3 or invoc\$5 or event or handl\$3 or trap\$4 or interrupt\$3 ) and (decrypt\$3 or key or authority or authoriz\$5 ) and (branch\$3 or jump\$3 or redirect\$3 or transfer\$4 or address\$3 or indirect\$3 ) and (remot\$3 or rpc or network\$3 or distributed ) and (identity or identify or identification or communicat\$3 or report\$3 or transmit\$4 or prosecut\$3 ) near3 (illegal or alert\$3 or alarm\$3 or unauthoriz\$5 or nonauthoriz\$5 or hacker or attack\$3 or tamper\$3 or snoop\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:14
L15	21	tamper same encrypt\$3 and (decrypt\$3 or key or authority or authoriz\$5 ) and (identity or identify or identification or prosecut\$3 ) near3 (illegal or alert\$3 or alarm\$3 or unauthoriz\$5 or nonauthoriz\$5 or hacker or attack\$3 or tamper\$3 or snoop\$3 ) same (communicat\$3 or report\$3 or transmit\$4 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:19
L16	318	(illegal or alert\$3 or alarm\$3 or unauthoriz\$5 or nonauthoriz\$5) near5 hacker same (communicat\$3 or report\$3 or transmit\$4 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:20
L17	25	(illegal or alert\$3 or alarm\$3 or unauthoriz\$5 or nonauthoriz\$5) near5 hacker same (communicat\$3 or report\$3 or transmit\$4 ) same (identify or identification or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:29
L18	1193	713/182.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:29
L19	27	713/182.ccls. and (convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (module or component or portion or selected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:30

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L20	11	713/187.ccls. and (convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (module or component or portion or selected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:30
L21	14	713/190.ccls. and (convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (module or component or portion or selected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:30
L22	7	713/191.ccls. and (convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (module or component or portion or selected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:30
L23	52	713/194.ccls. and (convert\$3 or conversion or adapt\$3 or modify\$3 or modification or alter\$5 ) and "tamper resistant" and encrypt\$3 near3 (module or component or portion or selected)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:30
L24	97	I19 I20 I21 I22 I23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 13:31
S1	3	(tamper near3 (protection or resistance)) and (encrypt\$3 or decrypt\$3 or reencrypt\$3 or key or checksum or cryptographic ) and (detect\$3 near5 illegal) and (attempt\$3 or attack\$3 or hack\$3 or denies or denial or eliminat\$3 or circumvent\$3 or protection or authenticat\$3 or authoriz\$5 or cipher\$5 or "dye packet" or unauthorized ) and (interrupt\$3 or event )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 18:50
S2	11	("6009543" "5940590" ).pn. "20040015958" "2004044906"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 18:52
S3	1503	england.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 18:54

## EAST Search History

S4	5	england.in. and (tamper near3 (protection or resistance)) and (encrypt\$3 or decrypt\$3 or reencrypt\$3 or key or checksum or cryptographic )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 18:58
S5	1503	england.in. and microsoft.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 18:58
S6	201	england.in. and microsoft.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 19:02
S7	545	717/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 19:03
S8	0	717/106.ccls. and (tamper near3 (protection or resistance)) and (encrypt\$3 or decrypt\$3 or reencrypt\$3 or key or checksum or cryptographic )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 19:03




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... [45] Date of Patent: [54] **TAMPER RESISTANT METHODS AND APPARATUS** [75] Inventors:

David Aucsmith, Portland; Gary Graunke, Beaverton, both of Oreg. ...

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Watermarking, tamper-proofing, and **obfuscation-tools** for **software protection** - [group of 10 »](#)

CS Collberg, C Thomborson - **Software Engineering**, IEEE Transactions on, 2002 - [ieeexplore.ieee.org](#)

... violators. These three types of defenses (**software** watermarking, **obfuscation**,

and tamper-proofing) are illustrated in Fig. 3: . In Fig. ...

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T Ogiso, Y Sakabe, M Soshi, A Miyaji - 3rd Workshop on Information Security Applications (WISA 2002 ..., 2002 - [grampus.jaist.ac.jp](#)

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... An alternative approach, which we focus on, is to use code **obfuscation**

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J Palsberg, S Krishnaswamy, M Kwon, D Ma, Q Shao, ... -

Proceedings of ACSAC, 16th Annual Computer Security ..., 2000 -

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... Until now, most approaches to **software** watermarking have concentrated on ... transformations, including compilation, optimization, **obfuscation**, decompilation ...  
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[Protecting software code by guards - group of 7 »](#)

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... One **software**-based approach for protection is code **obfuscation**, which “scrambles up” program code so that it results in some executable code that has the ...

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**1** [Incremental cryptography and application to virus protection](#)

Mihir Bellare, Oded Goldreich, Shafi Goldwasser

May 1995 **Proceedings of the twenty-seventh annual ACM symposium on Theory of computing STOC '95**

**Publisher:** ACM PressFull text available: [pdf\(1.65 MB\)](#)Additional Information: [full citation](#), [references](#), [citing terms](#)**2** [Oblivious data structures: applications to cryptography](#)

Daniele Micciancio

May 1997 **Proceedings of the twenty-ninth annual ACM symposium on Theory of computing STOC '97**

**Publisher:** ACM PressFull text available: [pdf\(1.49 MB\)](#)Additional Information: [full citation](#), [references](#), [citing terms](#)**3** [On the notion of inheritance](#)

4 Antero Taivalsaari

September 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(609.81 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

One of the most intriguing—and at the same time most problematic—notions in object oriented programming is inheritance. Inheritance is commonly regarded as the feature that distinguishes object-oriented programming from other modern programming paradigms. Researchers rarely agree on its meaning and usage. Yet inheritance is often hailed as a key to many problems hampering software development, and many of the alleged benefits of object-oriented programming ...

**Keywords:** delegation, incremental modification, inheritance, language constructs, object oriented programming, programming languages

#### 4 Software protection and simulation on oblivious RAMs

5 Oded Goldreich, Rafail Ostrovsky

May 1996 **Journal of the ACM (JACM)**, Volume 43 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(3.44 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Software protection is one of the most important issues concerning computer practice. There exist many heuristics and ad-hoc methods for protection, but the problem as a whole has received the theoretical treatment it deserves. In this paper, we provide theoretical tools for software protection. We reduce the problem of software protection to the problem of efficient simulation on oblivious RAM. A machine is oblivious if the sequence in which ...

**Keywords:** pseudorandom functions, simulation of random access machines, software protection

#### 5 Proxy signatures for delegating signing operation

6 Masahiro Mambo, Keisuke Usuda, Eiji Okamoto

January 1996 **Proceedings of the 3rd ACM conference on Computer and communication security CCS '96**

**Publisher:** ACM Press

Full text available: [pdf\(1.18 MB\)](#)

Additional Information: [full citation](#), [references](#), [citing terms](#)

**6** [Using production grammars in software testing](#)

 Emin Gün Sirer, Brian N. Bershad

December 1999 **ACM SIGPLAN Notices**, Proceedings of the 2nd conference on Domain specific languages PLAN '99, Volume 35 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(1.27 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Extensible typesafe systems, such as Java, rely critically on a large and complex software for their overall protection and integrity, and are therefore difficult to test and verify. Traditional testing techniques, such as manual test generation and formal verification, are time consuming, expensive, and imprecise, or work only on abstract models of the implementation and are too simplistic. Consequently, commercial virtual machines developed so far have exhibited numerous bugs and ...

**7** [Research papers: information security and risk management: Classification of malicious threats in mobile agent computing](#)

Elmarie Bierman, Elsabe Cloete

September 2002 **Proceedings of the 2002 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology SAICSIT '02**

**Publisher:** South African Institute for Computer Scientists and Information Technologists

Full text available: [pdf\(160.29 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Full-scale adoption of mobile agent technology in untrustworthy network environments, such as the Internet, has been delayed by several security complexities [Montanari, 2001].] There is a large array of security issues and sub-issues within mobile agent computing which makes it tough to distinguish between different types of problems, and therefore also it is difficult to find a general solution. Literature addressing the full range of problems is limited and mostly discusses ...

**Keywords:** computer networks, malicious hosts, mobile agents, security, threats classification

**8 A framework for efficient reuse of binary code in Java**

✉ Pramod G. Joisha, Samuel P. Midkiff, Mauricio J. Serrano, Manish Gupta

June 2001 **Proceedings of the 15th international conference on Supercomputing ICSC**  
**Publisher:** ACM Press

Full text available: [pdf\(419.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a compilation framework that enables efficient sharing of executable code across distinct Java Virtual Machine (JVM) instances. High-performance JVMs rely on just-in-time compilation, since static compilation cannot handle many dynamic features of Java. JVMs suffer from large memory footprints and high startup costs, which are serious problems for embedded devices (such as hand held personal digital assistants and cellular phones) and for scalable servers. A recently proposed ...

**9 Report of the national workshop on internet voting: issues and research agenda**

C. D. Mote

May 2002 **Proceedings of the 2002 annual national conference on Digital government and e-government research dg.o '02**

**Publisher:** Digital Government Research Center

Full text available: [pdf\(539.99 KB\)](#) Additional Information: [full citation](#)

**10 Report of the national workshop on internet voting: issues and research agenda**

C. D. Mote

May 2000 **Proceedings of the 2000 annual national conference on Digital government and e-government research dg.o '00**

**Publisher:** Digital Government Research Center

Full text available: [pdf\(539.99 KB\)](#) Additional Information: [full citation](#), [abstract](#)

As use of the Internet in commerce, education and personal communication has become more common, the question of Internet voting in local and national elections naturally arises. In addition to adding convenience and precision, some believe that Internet voting may reverse the historical and downward trend of voter turnout in the United States. For these reasons, President Clinton issued a memorandum in December 1999 requesting that the National Science Foundation examine the feasibility of online (In ...

**11** Evaluation may be easier than generation (extended abstract) Moni Naor**July 1996 Proceedings of the twenty-eighth annual ACM symposium on Theory of computing STOC '96****Publisher:** ACM PressFull text available:  [pdf\(1.01 MB\)](#)Additional Information: [full citation](#), [references](#), [index](#)**12** EROS: a fast capability system Jonathan S. Shapiro, Jonathan M. Smith, David J. Farber**December 1999 ACM SIGOPS Operating Systems Review , Proceedings of the seventh ACM symposium on Operating systems principles SOSP '99, Volur Issue 5****Publisher:** ACM PressFull text available:  [pdf\(1.83 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

EROS is a capability-based operating system for commodity processors which uses a single level storage model. The single level store's persistence is transparent to applications. The performance consequences of support for transparent persistence and capability-based architectures are generally believed to be negative. Surprisingly, the basic operations (such as IPC) are generally comparable in cost to similar operations in conventional systems. This is demonstrated with a set of microbenchmarks ...

**13** Session 6A: Architectures: Practical perspectives on software architectures, high-level design and evolution Tommi Mikkonen, Peeter Pruuden**September 2001 Proceedings of the 4th International Workshop on Principles of Software Evolution IWPSE '01****Publisher:** ACM PressFull text available:  [pdf\(408.17 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Evolving software gets more complex in each increment. As real-life increments tend to be additive rather than upgrades with more fundamental purpose, the underlying code base is extended. With such increments, the associated core architecture of the system gets more complex ...

more difficult to modify, because an increasing number of functions are attached to it. Therefore, only the first versions of systems can be properly architected, whereas later rely on an already existing architectu ...

**Keywords:** high-level design, software architecture, software evolution

**14 Security: Ariadne:: a secure on-demand routing protocol for ad hoc networks**

◆ Yih-Chun Hu, Adrian Perrig, David B. Johnson

September 2002 **Proceedings of the 8th annual international conference on Mobile computing and networking MobiCom '02**

**Publisher:** ACM Press

Full text available: [pdf\(308.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

a secure on-demand routing protocol for ad hoc networks.

**Keywords:** ad hoc network routing, routing, security

**15 Remus: a security-enhanced operating system**

◆ Massimo Bernaschi, Emanuele Gabrielli, Luigi V. Mancini

February 2002 **ACM Transactions on Information and System Security (TISSEC)**, 5 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(295.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a detailed analysis of the UNIX system calls and classify them according to level of threat with respect to system penetration. Based on these results, an effective mechanism is proposed to control the invocation of critical, from the security viewpoint system calls. The integration into existing UNIX operating systems is carried out by instrumenting the code of the system calls in such a way that the execution is granted in the case where the invoking process and the valu ...

**Keywords:** Access control, Linux, privileged tasks, system calls interception, system penetration

**16** [FIRE: flexible Intra-AS routing environment](#)

✉ Craig Partridge, Alex C. Snoeren, W. Timothy Strayer, Beverly Schwartz, Matthew Con Isidro Castiñeyra

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of conference on Applications, Technologies, Architectures, and Protocol Computer Communication SIGCOMM '00**, Volume 30 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(107.75 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Current routing protocols are monolithic, specifying the algorithm used to construct forwarding tables, the metric used by the algorithm (generally some form of hop-count), the protocol used to distribute these metrics as an integrated package. The Flexible Intra-AS Routing Environment (FIRE) is a link-state, intra-domain routing protocol that decouples these components. FIRE supports run-time-programmable algorithms and metrics over a standard link-state distribution protocol. By allowing ...

**17** [Digital rights management for content distribution](#)

Qiong Liu, Reihaneh Safavi-Naini, Nicholas Paul Sheppard

January 2003 **Proceedings of the Australasian information security workshop conference ACSW frontiers 2003 - Volume 21 ACSW Frontiers '03**

**Publisher:** Australian Computer Society, Inc.

Full text available: [pdf\(224.63 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Transferring the traditional business model for selling digital goods linked to physical goods to the online world leads to the need for a system to protect digital intellectual property. Rights Management(DRM) is a system to protect high-value digital assets and control the distribution and usage of those digital assets. This paper presents a review of the current state of DRM, focusing on security technologies, underlying legal implications and main obstacles to DRM deployment with the ...

**Keywords:** DRM, digital content

**18** [Hypermedia in the Small: Fluid annotations through open hypermedia: using and extending emerging web standards](#)

✉ Niels Olof Bouvin, Polle T. Zellweger, Kaj Grønbæk, Jock D. Mackinlay

May 2002 **Proceedings of the 11th international conference on World Wide Web WWW '02**

**Publisher:** ACM Press

Full text available:  [pdf\(1.24 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Fluid Documents project has developed various research prototypes that show the powerful annotation techniques based on animated typographical changes can help readers utilize annotations more effectively. Our recently-developed Fluid Open Hypermedia prototype supports the authoring and browsing of fluid annotations on third-party Web pages. This prototype is an extension of the Arakne Environment, an open hypermedia application that can augment Web pages with externally stored hypermedia structures ...

**Keywords:** RDF, XLink, XPointer, annotations, annoeia, fluid documents, web augmentation with open hypermedia

**19** [A composable framework for secure multi-modal access to internet services from Post-PC devices](#)

Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric Brewer

October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

**Publisher:** Kluwer Academic Publishers

Full text available:  [pdf\(340.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and car-based vehicle telematics. However, existing deployed Internet services are geared toward the secure rich interface of private desktop computers. We propose the use of an infrastructure-based secure proxy architecture to bridge the gap between the capabilities of Post-PC devices and the requirements of Internet services ...

**Keywords:** internet, middleware, post-PC, security, transcoding

**20** [An introduction to child program units](#)

 Norman H. Cohen

November 1995 **Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world** TRI-Ada '95

**Publisher:** ACM Press

Full text available: [!\[\]\(8992432513afb96f45a69bb5f0f74668\_img.jpg\) pdf\(1.42 MB\)](#)

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